Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$4\overline{)95332}$

(2)

$5\overline{)87144}$

(3)

$8\overline{)71664}$

(4)

$5\overline{)73651}$

(5)

$2\overline{)65250}$

(6)

$9\overline{)34126}$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

(1)

```
      23833 R0
   ┌─────────
 4 │ 95332
   - 8          (2x4)
     15
   - 12         (3x4)
      33
   - 32         (8x4)
       13
   - 12         (3x4)
        12
   - 12         (3x4)
         0
```

Remainder --> 0

(2)

```
      17428 R4
   ┌─────────
 5 │ 87144
   - 5          (1x5)
     37
   - 35         (7x5)
      21
   - 20         (4x5)
       14
   - 10         (2x5)
        44
   - 40         (8x5)
         4
```

Remainder --> 4

(3)

```
       8958 R0
   ┌─────────
 8 │ 71664
   - 64         (8x8)
     76
   - 72         (9x8)
      46
   - 40         (5x8)
       64
   - 64         (8x8)
         0
```

Remainder --> 0

(4)

```
      14730 R1
   ┌─────────
 5 │ 73651
   - 5          (1x5)
     23
   - 20         (4x5)
      36
   - 35         (7x5)
       15
   - 15         (3x5)
        01
   - 0          (0x5)
         1
```

Remainder --> 1

(5)

```
      32625 R0
   ┌─────────
 2 │ 65250
   - 6          (3x2)
     05
   - 4          (2x2)
      12
   - 12         (6x2)
       05
   - 4          (2x2)
        10
   - 10         (5x2)
         0
```

Remainder --> 0

(6)

```
       3791 R7
   ┌─────────
 9 │ 34126
   - 27         (3x9)
     71
   - 63         (7x9)
      82
   - 81         (9x9)
       16
   - 9          (1x9)
         7
```

Remainder --> 7